

**What Is Claimed Is:**

1. An automatic mode converting method for a car audio system with a hands-free therein, wherein the car audio system has a mode converting function conducting mode conversion between a hands-free mode for outputting a received voice signal from a mobile phone and an audio mode for outputting an audio sound source of the car audio system, the method comprising:
  - deciding whether a DTMF tone signal is input from the mobile phone;
  - converting a current mode to the hands-free mode, if the DTMF tone signal is input from the mobile phone; and
- 10 automatically converting the current mode to the audio mode, if a duration time of a greater level of the received voice signal from the mobile phone than a predetermined reference level lasts longer than a predetermined reference time.
2. The method according to claim 1, further comprising:
  - 15 converting the current mode to the audio mode, regardless of whether or not the reference time is passed, if a manual operation key signal of the mode conversion function is input.